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| **Experiment Process Rubric** |
| Students and teachers use this when assessing the experiment. |

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|  | **4** | **3** | **2** | **1** |
| **Procedure** | My procedure could be replicated exactly. I included detailed step-by-step instructions to conduct the experiment. | My procedures are well written. There is slight confusion/missing items within my step -by-step instructions. | My procedures make sense but some parts aren’t totally clear or a small part is missing. | My procedures are poorly written. I included very few directions on how to conduct this experiment. |

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| **Materials** | I listed all materials. The list is very specific using proper names of items and exact amounts. | All my materials are listed but some of the materials are not specific. | Most of my materials are listed here. Some seem to be missing or are not specific. | I did not list many of the materials or they are not specific. |

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| **Knowledge of Concept** | I demonstrated thorough knowledge of concept matter. My experiment is significant and a real-life question is addressed. My experiment clearly states a solid problem and the data collection and analytical techniques are explained in detail. | I demonstrated adequate knowledge. My experiment investigation is sound. I used analytical techniques. I clearly stated the problem and data collection is organized. | I demonstrated some knowledge or problem. My problem and data collection has some misconceptions or inaccuracies. | I demonstrated little or no knowledge. My experiment does not reflect an understanding of the problem nor did I use accurate methods of collecting data and analyzing information. |

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| **Assessing a Science Experiment** |

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|  | **4** | **3** | **2** | **1** |
| **Results** | I included detailed information about what took place during the experiment. I showed the information in many ways; graphs, data charts, pictures, logs, etc. My calculations are clearly presented and accurate. I used appropriate methods for calculations. | My results show an understanding of the experiment. I provided documentation in multiple ways but some are not accurately labeled. My calculations are listed and accurate. | My data is only in one format and I showed minimal results. My calculations contain some errors. I was confused on the methods for my calculations. | The results of my experiment do little to show what happened. My calculations do not use formulas or do not show work. Some of my calculations are not accurate. |
| **Conclusion** | My conclusion shows analysis of the hypothesis. My explanations of all variables are clear and support the conclusion. My findings are based on research and data within the results. | I stated conclusions that make connections between hypothesis and experiment. I explained some variables. I provided evidence to support or explain findings. | I made connections between variables and results but I did not analyze or explain the connections. | I did not make connections to the results and process of the experiment. |
| **Presentation** | My experiment report includes all required components in a logical sequence. I labeled all components clearly and they are organized for easy interpretation. | My experiment report includes all required components. All components are labeled and organized for interpretation | My experiment report has required components but they are not labeled or in a logical order. It is hard to read and understand. | My experiment report is missing required components. It is impossible to understand my experiment. |